YOUSSOF ANTAR

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Professional Experience

Freelance Projects   03/2021 – 07/2024
Software Developer & Arduino Programmer

- Delivered 3 diverse application projects, including eCommerce systems and online university platforms, within 6 months with a 90% on-time delivery rate using Flutter, including Academic Student App available on Google Play.
- Developed management several systems with Laravel Filament, focusing on efficient, user-friendly dashboards and streamlined functionalities.
- Built modern websites leveraging cutting-edge technologies, including HTML, CSS, JavaScript, jQuery, Bootstrap, Chart.js (Frontend) and PHP, MySQL, Laravel (Backend).
- Programmed a patentable assistive technology solution using Arduino to help blind individuals learn multiplication, showcasing innovation and problem-solving expertise.

Vision & Community Academy   07/2023 – 10/2023
Computer Instructor & Data Entry/Analyst - Contract

- Taught 30 children (ages 6–13) to use modern software tools like Excel, Word, and PowerPoint, including creating animations and filtering data in Excel.
- Guided students in using LEGO SPIKE Prime code blocks to construct functional robots, with three successfully completing mission-specific robots.
- Leveraged technologies such as Microsoft Office and LEGO SPIKE Prime to enhance hands-on learning experiences in robotics and software applications.
- Developed strong communication and teaching skills, effectively conveying knowledge to diverse age groups and fostering a passion for technology.

Karim Press   05/2021 – 02/2022
Software Engineer

- Oversaw and managed various application initiatives as the team lead of the application development department, ensuring successful project execution and delivery.
- Created a one-month learning roadmap and weekly surveys to monitor progress while training interns in Flutter programming, focusing on practical skills and advanced concepts.
- Developed multiple Flutter applications featuring advanced functionalities such as animations and state management, leveraging libraries like Bloc, http, shimmer, and path, with technologies like Flutter and Firebase.
- Designed and developed high-quality websites with exceptional UI/UX, while prioritizing back-end security and query optimization.
  - Frontend: HTML, CSS, JavaScript, jQuery, Bootstrap, WordPress.
  - Backend: PHP, MySQL, Laravel.
  - Published Websites:
    - Bocabilla
    - Eter Insurance
  - Demo Website (Design):
    - Klean Demo
- Created efficient, project-specific database designs using DBDiagram Online Software to meet requirements and optimize performance.

Projects

Zoom Cline| Next.js – *Personal*   07/2024 – 07/2024

- [Link to demo video](#)
- Developed a Zoom clone for video/audio meetings using Next.js, integrating advanced features like video/audio calling and recording.
- Implemented secure and efficient third-party authentication using Clerk, ensuring user data safety and seamless login experiences.
- Leveraged Stream for high-performance, reliable video/audio calling and recording functionalities.
- Enhanced expertise in Tailwind CSS and React.js, while utilizing third-party tools like ShadCN for ready-to-use UI components, streamlining development.

Brainwave Clone | React – *Personal*   06/2024 – 06/2024

- [Link to demo video](#)
- Cloned the Brainwave design using React.js, accurately replicating complex UI elements and interactive features.
- Implemented third-party animation tools such as Parallax and GSAP to create dynamic and engaging animations for an enhanced user experience.
- Developed expertise in crafting new layout designs by utilizing React components and Tailwind CSS, ensuring responsive and visually appealing interfaces.

Apple Clone | React – *Personal*   05/2024 – 05/2024

- [Link to demo video](#)
- Cloned the Apple 15 website using React.js, implementing Tailwind CSS for precise design replication and responsiveness.
- Integrated GSAP for smooth animations and used Three.js to incorporate a 3D iPhone model, adding depth and interactivity to the site.
- Applied themes and textures to the 3D model, enhancing its visual appeal and overall user interaction.
- Integrated Sentry into websites for real-time error monitoring, improving bug-fixing efficiency by 60% and boosting overall performance speed by 74%.

Farminator | Senior Project – LIU University   03/2023 – 06/2023

- Developed and built an E-Farm hardware system that communicates with a phone over Wi-Fi using Raspberry Pi.
- Designed and developed a Flutter application to enable user interaction with the hardware.
    - Figma Design: [Farminator Figma Design](#)
- Programmed communication between Arduino and Raspberry Pi using the UART protocol.
- Developed backend APIs to facilitate application and hardware communication, utilizing the Flag method.
- Gained expertise in creating threads and establishing API communication with Raspberry Pi.

Arduino Flutter Application – Personal   05/2022 – 06/2022

- Developed a Flutter application for communication with Arduino over Bluetooth, designing the user interface and screens independently.
- Programmed Arduino to handle actions received from the phone, ensuring seamless interaction.
- Acquired skills in Bluetooth device communication, including device discovery and data exchange.
    - GitHub Link: [Arduino Flutter Github Link](#)

Workshops & Certificates

Google Data Analytics Specialization – Google & Coursera   02/2024 – 01/2024
- Gained comprehensive knowledge in data analytics, including data preparation, exploration, and analysis techniques.
- Developed skills in data-driven decision-making, using tools like R programming for advanced data analysis.
- Completed a hands-on capstone project, applying learned techniques to real-world data scenarios, showcasing proficiency in data visualization and communication.
- [Credential for Certification](#)

Hacker Rank Python (Basic) – HackerRank   01/2024 – 01/2024
- Demonstrated proficiency in fundamental Python programming concepts, including data types, control structures, and basic algorithms.
- Validated coding skills through practical problem-solving and coding challenges.
- Showcased a strong foundation in Python, essential for developing more advanced software and data-driven applications.
- [Credential for Certification](#)

Google Project Management: Specialization – Google & Coursera   05/2023 – 06/2023
- Acquired a solid foundation in project management principles, from initiation to successful execution and closure.
- Gained expertise in Agile methodologies, enabling efficient and flexible project management in dynamic environments.
- Developed skills in comprehensive project planning, including scope, timeline, and resource management.
- Applied project management techniques in a real-world capstone project, demonstrating practical knowledge and problem-solving abilities.
- [Credential for Certification](#)

Education

Lebanese International University, Saida, Lebanon   10/2021 – 07/2024
Bachelor of science in computer engineering:
- Senior Project: Farminator | E-Farm System

Skills

Software Tools & Languages:
Flutter, Laravel, React.js, Next.js, Django, Python, PHP, MySQL, , Java (XML), NetBeans, Android Studio, Git, Microsoft Tools, Matlab.
Hardware Tools & Languages:
Assembly (AVR), Microchip Studio, C, Arduino, Raspberry Pi, Matlab, Proteus 8 Pro.
Soft Skills:
Critical Thinking, Problem Solving, Time & task management, Presentation, Team Leading

Languages

- Arabic: Native
- English: Intermediate
- French: Pre-Intermediate

Activities

- **Emergency And Relief Corps** | 2024
  Volunteered as a Paramedic assistant to gain hands-on experience in emergency medical care.
- **University Student Club Member** | 2023
  Actively participated in a student club focused on political, economic, and social issues within the country, helping organize events and discussions to raise awareness on key topics.
- **Certificate Of Participating In the LU CS Workshop** | 2022
  Led a university workshop on computer science career paths, enhancing my expertise in web, mobile, gaming, and software development while sharing insights on presentation and communication skills.
- **Certificate of Participation Second Robotics Competition** | 2018
  Achieved 2nd place among participating universities in a major robotics competition, representing a significant accomplishment at the national level.